AMENDMENT TO THE CLAIMS

1. (currently amended) A method of reducing growth errors in a ~~disc drive~~ data storage system having a storage medium comprising a plurality of tracks, each track comprising a plurality of sectors, the method comprising:

determining a number of sectors to be read from ~~a disc~~ the storage medium;

reading data from all sectors of the number of sectors during a first ~~disc revolution~~ operation of the data storage system;

identifying error sectors having a number of errors above a predetermined threshold;

correcting the data from the error sectors; and

writing corrected data to the error sectors during a second ~~disc revolution~~ operation of the data storage system.

2. (Original) The method of claim 1 wherein the step of identifying includes tracking a number of errors in each sector.

3. (Original) The method of claim 1 and further comprising providing a signal for each sector indicative of whether each sector is an error sector or a non-error sector and generating a mask based on the signals.

4. (Original) The method of claim 3 wherein writing data from the error sectors comprises writing only the error sectors based on the signals for each sector indicative of whether each sector is an error sector or not.

5. (Original) The method of claim 3, and further comprising storing the mask in a buffer.

6. (currently amended) The method of claim 1 and further comprising reading data from only the error sectors during an intermediate ~~disc revolution~~operation of the data storage system.

7. (currently amended) The method of claim 6 wherein the intermediate ~~disc revolution~~ operation of the data storage system occurs between the first and second ~~disc revolutions~~operations of the data storage system.

8. (Original) The method of claim 1 wherein the step of reading data from the error sectors includes storing data in a buffer.

9. (Original) The method of claim 1 wherein the step of correcting includes using error correction code.

10. (currently amended) A ~~disc drive~~ data storage system, comprising:

a ~~rotating~~ storage medium ~~disc having a disc surface~~, the storage medium comprising a plurality of tracks, each track comprising a plurality of sectors;

~~a transducer configured to read and write data from the disc surface;~~

a buffer memory; and

a controller configured to determine a number of sectors to be read from the ~~disc~~storage medium, read all sectors of the number of sectors on ~~a~~the ~~disc~~ storage medium during a first ~~disc revolution~~operation of the data storage system, identify error sectors having a number of errors above a predetermined threshold, correct the data from the error sectors and write corrected data to the error sectors during a second ~~disc revolution~~operation of the data storage system.

11. (currently amended) The data ~~disc drive~~ storage system of claim 10 wherein the controller is further configured to track the number of errors occurring in each sector.

12. (currently amended) The data ~~disc drive~~ storage system of claim 10 wherein the controller is further configured to generate a mask for the number of sectors, wherein the mask contains signals for each of the number of sectors based on whether the sector is an error sector or a non-error sector.

13. (currently amended) The data ~~disc drive~~ storage system of claim 12 and further comprising a channel configured to read data from and write data to the storage medium wherein the controller ~~includes a disc controller~~ is operably coupled to the ~~transducer~~channel to selectively read and write only the error sectors to the ~~disc surface~~storage medium based on the mask.

14. (currently amended) The data ~~disc drive~~ storage system of claim 12 wherein the mask is stored in the buffer memory.

15. (currently amended) The data ~~disc drive~~ storage system of claim 10, wherein the ~~disc~~ storage medium controller is further configured to read data from only the error sectors during an intermediate ~~disc revolution~~operation of the data storage system, occurring between the first and second ~~disc revolutions~~operations of the data storage system.

16. (currently amended) The data ~~disc drive~~ storage system of claim 10 wherein the controller further comprises an error correction code unit to correct the data from the error sectors.

17. (currently amended) The data ~~disc drive~~ storage system of claim 10 wherein the controller is further configured to store the data from the error sectors in the buffer memory.

18. (currently amended) A data ~~disc drive~~ storage system for storing information on ~~a surface of a disc~~storage medium, comprising:

a ~~transducer~~channel for reading information from and writing information to the ~~disc~~ storage medium ~~surface~~; and

means for correcting sectors identified as having a number of errors above a predetermined threshold.

19. (currently amended) The data ~~disc drive~~ storage system of claim 18 and further comprising means for tracking errors occurring in the sectors and generating signals based on the errors.

20. (currently amended) The data ~~disc drive~~ storage system of claim 19 and further comprising means for selectively reading and writing data from the ~~disc~~ storage medium ~~surface~~ based on the signals.